

Title: Half-life of Pennies

Example:

Introduction

Intro: → purpose of the lab

Example: The purpose of this lab was model half-life decay in fossils using pennies to model this idea

Materials: Pennies, plastic tub, pencil lab notebook

Example:

Procedure:

Step by step procedure

Example: → See procedure as stated in textbook pg. 868

↓  
Lab handout entitled "Handout title"  
attach to lab ....

Data / observations: Data table / picture of experimental results, GRAPHS

Example:



Analysis: Explain <sup>1 2 3</sup> data observed

Results

Example: According to the data, the pennies decreased at a predictable rate, which was by  $\frac{1}{2}$  roughly per trial

Discussion:  $\rightarrow$  Conclusion

\* Looking for a conclusion statement \*

\*  $\rightarrow$  Where can you apply this in the future \*

Example: The pennies were determined to model half-life decay in fossils effectively when pennies with heads were removed from the penny "population" each trial. Knowledge of half-life is important when trying to determine the age of a rock, rock layer, or fossil in the future.